SHTERN, I.A.; PAVLOVA, L.S.

Problem of rational nutrition during pregnancy for the prevention of toxemias of pregnancy and for the normal development of the intrauterine fetus and newborn. Akush.i gin. 36 no.1:26-31

Ja-F *60.

(PREGNANCY)

(DIET)

SHTERN, I.A.; KOROLEVA; A.M.

Isoimmunization of pregnant women with Rh-positive blood. Akush.

(MIRA 13:12)

i gin. 36 no.2:75-79 Mr-Ap '60.

(RH FACTOR)

(PREGNANCY)

SHTERN, I.A.

Role of staphylococcal infections in diseases of newborn infants.
Pediatriia 38 no. 3:3-8 Mr 160. (MIRA 14:1)

(INFANTS (NEWBORN)--DISEASES) (STAPHYLOCOCCAL INFECTION)

SHTERN, I. A., prof.

STATE STREET, STATE OF THE STAT

Measures used in lowering the death rate among newborn and older infants. Pediatriia no.11:3-11 '61. (MIRA 14:12)

1. Iz detskoy kliniki (zav. - prof. I. A. Shtern) Moskovskogo oblastnogo nauchno-issledovatel skogo instituta akusherstva i ginekologii (dir. - kandidat meditsinskikh nauk 0. D. Matspanova, nauchnyy rukovoditel - prof. A. V. Lankoviks)

(INFANTS(NEWBORN)_MORTALITY)

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001550020003-5

SHTERN, I.A., prof.

THE RESIDENCE OF THE PROPERTY OF THE PROPERTY

Some marginal questions in the pathology of newborn infants.

Akush.i gin. 37 no.1:17-22 '61. (MIRA 14:6)

l. Iz Moskovskogo oblastnogo nauchno-issledovatel'skogo instituta akusherstva i ginekologii (dir. - kand.med.nauk 0.D. Matspanova; nauchnyy rukovoditel' - prof. V.P. Mikhaylov).

(INFANTS (NEWBORN--DISEASES)

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001550020003-5

ORTHOR, i.e., prof.; KOROLINA, A.M., kand. med. mauk; PAVLOVA, L.J., kand. med. nauk; pavLoVA, L.J., kand. med. nauk; pavLoVA, L.J., kand. med. nauk; nauk is results of the prophylaxis and therapy of erythroblastusic fetches. akush. i gin. no.1:22-106 '63. (MIRA 17:6) fetches. akush. i gin. no.1:22-106 '63. (MIRA 17:6) i. 12 Meekovekogo oblantnogo nauchno-isrledovatel'skogo i. 12 Meekovekogo oblantnogo nauchno-isrledovatel'skogo insulitata akusherotva i ginekologii (dir. - kand. med. nauk insulitata akusherotva i ginekologii (dir. - kand. med. nauk insulitata akusherotva i ginekologii (dir. - kand. med. nauk insulitata akusherotva i ginekologii (dir. - kand. med. nauk

SHTERN, I.A., inzh.; PLOTNIKOV, I.V., kand. tekhn. nauk; PAVLOV, S.A., doktor tekhn. nauk, prof.

Investigating the washing out of pore building agents from carboxyl-containing rubbers. Izv. vys. ucheb. zav.; tekh. leg. prom. no.2:48-54 '63. (MIRA 16:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut plenochnykh materialov i iskusstvennoy kozhi (for Shtern, Plotnikov).

2. Moskovskiy tekhnologicneskiy institut legkoy promyshlennosti (for Pavlov). Rekomendovana kafedroy tekhnologii iskusstvennoy kozhi i plenochnykh materialov.

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001550020003-5

SHTERN, I.A., prof.; KOROLEVA, A.M. kand. med. nauk

Isosensitization of pregnant women in ABO incompatibility of the mother and fetus. Vop. okhr. materin. dets. 8 no.1: 39-44 '63 (MIRA 17:2)

1. Iz detskoy kliniki (zav. - prof. I.A.Shtern) i laboratorii (zav. - kand. med. nauk A.M.Koroleva) Moskovskogo oblastnogo nauchmo-issledovatel skogo instituta akusherstva i ginekologii (dir. - kand. med. nauk O.D.Matspanova, nauchmyy rukovoditel prof. A.V.Iankovits).

BELYAYEV, Ye.I., prof. [deceased]; BADYUK, Ye.Ye.; BOGOROV, I.I., prof.; BUBLICHENKO, L.I., prof.[deceased]; IL'IN, I.V., dots.; KEYLIN, S.L., prof.; MAZHBITS, A.M., prof.; MALININ, A.I., zasl. deyatel' Kaz.SSR, prof.; MOSHKOV, B.N., prof.; NIKOLAYEV, A.P., prof.; PERSIANINOV, L.S., prof.; POKROVSKIY, V.A., prof.; POLYAKOVA, G.P., kand. med. nauk; RAFAL'KES, S.B., dots.; KHASKIN, S.G., prof.; SHTERN, I.A., prof

[Multivolume manual on obstetrics and gynecology] Mnogotomnoe rukovodstvo po akusherstvu i ginekologii. Moskva, Meditsina. Vol.3. Book 2. [Pathology of the labor and postnatal period. Physiology and pathology of the newborn infant] Patologiia rodov i poslerodovogo perioda. Fiziologiia i patologiia novorozhdennogo. Pt.l.[Pathology of labor] Patologiia rodov. 1964. 395 p. (MIRA 17:7)

1. Chlen-korrespondent AMN SSSR (for Persiantnev). 2. Deystvitel'nyy chlen AMN SSSR (for Nikolayev).

KIPNIS, Yu.B.; SHTERN, I.A.; PLOTNIKOV, I.V.; PAVLOV, N.N.; PAVLOV, S.A.

Use of modified polyamides for the finishing of artificial leather based on rubber. Kozh.-obuv. prom. 6 no.5:31-34 My '64. (MIRA 17:12)

min. Sompler Method for Determining the Hydoso Tissuad" II No. 1, 1949. (Ch., Lab of Brein Normhology, Inst. of Defectology, Acad. of Pedagogleak Sciences, Moscow) -1988.

Dr. Medical Sci.

Property of the of Englisher daily to define the Studying Johnstianous Material Action Patol. In Me. 3, 1972. (Lab. of Brain, Morehatogr, Enst. of Beleatology, Acad. of Pelagogical Solares Action Johnston.

Dr. Meddeck Johnstian Johnsti

SHTRRN, I.B.

Participation of neurologic elements in myelination of central neural fibers. Arkh. anat., Moskva 29 no.6:50-59 Nov-Dec 1952. (CIML 23:4)

1. Of the Laboratory of Pathomorphology of the Brain (Head -- Doctor Medical Sciences I. B. Shtern), Scientific-Research Institute of Defectology of the Academy of Pedagogic Sciences RSFSR (Director -- Candidate Pedagogic Sciences A. I. D'yachkov).

SHTERN, I.B.

Morphological characteristics of the central end of the auditory and speech-motor analysors in subjects deafened at the early age. Vest. otorinolar., Moskva 15 no.4:40-44 July-Aug 1953. (CIML 25:1)

1. Doctor Medical Sciences. 2. Of the Laboratory of Pathomorphology of the Brain of the Scientific-Research Institute of Defectology of the Academy of Pedagogic Sciences RSFSR.

G. I. I. J., nauchny sotruchik; A DI .I., L.V., nauchnyy sotruchik;
G. II. I. I., I. I., nauchnyy sotruchik

Use of pigments for wrinting.. Telst. pro . 21 nc.10:57-60 0 161. (FRM 14:30)

1. Vseconumny neuchno-issledovetel'shir institut organicheshild: che produktov krasiteley imeni K.Ye. Voroshilova (VNIOPik).

(Textile rinting)

(Lipents)

SHTERN, I.Ya.; FODIMAN, I.V.; RAYKHMAN, N.M.

Pigment dyeing of fabrics. Tekst.prom. 22 no.1:62-64 Ja '62. (MIRA 15:2)

1. Gosudarstvennyy nauchno-issledovatel skiy institut organicheskikh poluproduktov i krasiteley.

(Textile fabrics) (Dyes and dyeing)

SERGEYEVA, Z.I.; SHTERN, I.Ya.; KUZ'MINA, N.L.; EUVINA, S.M.,
Prinimali uchastiye: SPIRKINA, V.I.; SAMSONOV, V.D.; GULINKINA, I.R.

Dyeing of elastic foam polyurethan and the application of a printed pattern to it. Plast.massy no.2:25-27 '62. (MIRA 15:2) (Plastics) (Polyurethan)

EWT(m)/EWP(j)/T/EWP(v) IJP(c) RM/WW L 44368-66 UR/0191/66/000/004/0024/0026 SOURCE CODE: ACC NR: AP6023062 AUTHOR: Volk, A. I.; Timofeyev, N. Ya.; Veprinskaya, M. N.; Shtern, K. A.; Kozorovitskiv, V. R. ORG: none TITLE: Investigation of the technological parameters for the continuous production of the polyester glass-plastic laminates 14, SOURCE: Plasticheskiye massy, no. 4, 1966, 24-26 TOPIC TAGS: laminated glass, laminated plastic, synthetic material, styrene ABSTRACT: The effect of styrene content in the binder (18-34%), temperature of charge make-up (200-600C), and duration of charge gelatinization (3-9 minutes) on the mechanical properties of polyester glass-plastic laminates was investigated. The binder was composed of styrene and polydiethyleneglicolmaleinatephthalate. Polymerization of the laminates was conducted at 80°C using 1.5% benzoyl peroxide initiator. It was found that the higher the styrene content, the greater the rate of binder hardening. The best mechanical properties of laminates (highest bending strength) resulted from the use of binders containing 26-33% styrene. Orig. art. has: 2 figures, 3 tables. OTH REF: 002 ORIG REF: 003/ SUBM DATE: none/ SUB CODE: 07/ UDC: 678.06-419: 677.521: 69-932 Card 1/1

ACC NR: AP6024049 (A) SOURCE CODE: UR/0191/66/000/005/0032/0033

AUTHOR: Volk, A. I.; Shtern, K. A.; Timofeyev, N. Ya.; Veprinskaya, M. N. 4/

ACTION TO THE PARTY OF THE PART

TITLE: Effect of certain initiating systems on the setting of a binder for sheet fiber-glass reinforced plastics

SOURCE: Plasticheskiye massy, no. 5, 1966, 32-33

TOPIC TAGS: polyester resin, peroxide, copolymerization, reinforced plastic, polymerization initiator

ABSTRACT: The purpose of the work was to determine the type and amount of initiating admixtures promoting the copolymerization of polydiethylene glycol maleate phthalate resin with styrene (PN-1 resin) at 80-85°C. Combinations of pairs of peroxy compounds were chosen such that the activity of one peroxide manifested itself at a moderate temperature (70-80°C), and the activity of the other, at 100-120°C. Thus, the heating evolved by the action of the first, more active peroxide, leads to the initiation of the polymerization reaction by the second peroxide, whose decomposition temperature is higher. The following pairs were employed: benzoyl peroxide (RBP) - methyl ethyl ketone peroxide (MEKP); BP - cyclohexanone peroxide (CHP); BP - cumene hydroperoxide (CHP). Graphs of variation of the temperature in the sample with time, characterizing the course of the exothermic process of copolymerization, were plotted. In all

Card 1/2

ORG: none

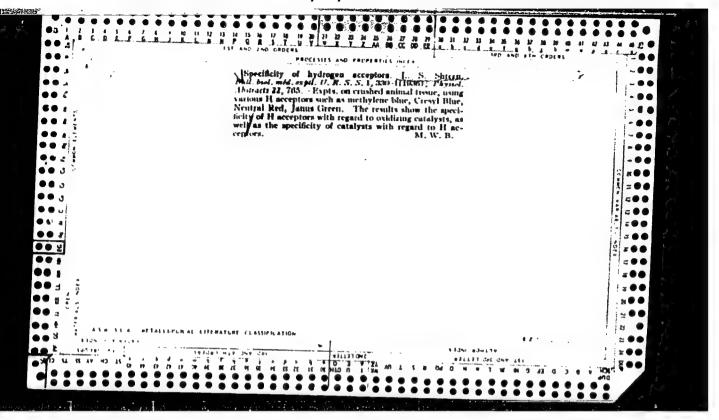
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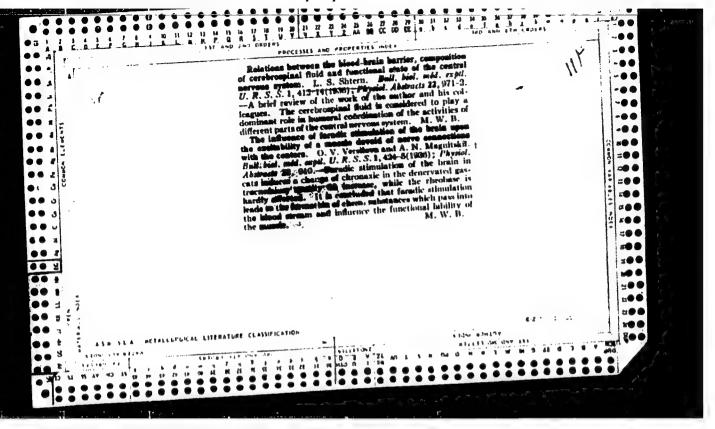
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cases, the use of pairs of peroxy compounds caused a faster setting of the pol binder than in the case of each peroxide individually, and the ultimate streng static bending was increased. The data obtained may be utilized in the manufa of sheet fiber-glass reinforced plastics. Orig. art. has: 3 figures and 1 tab	yester th in cture
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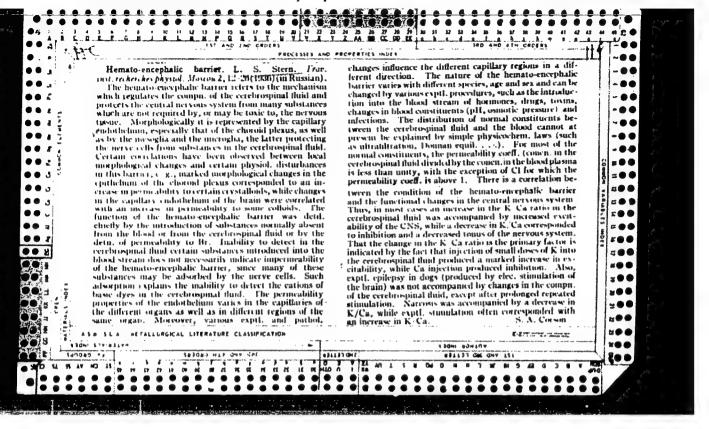
SHTERN, Lidiya Petrovna

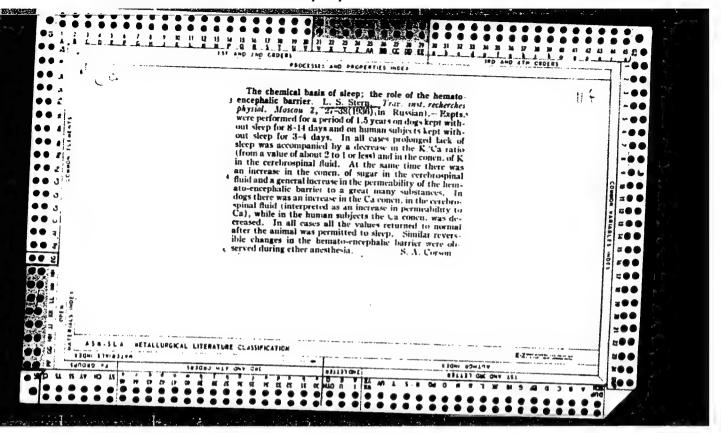
Of the Substitution of Defective Long Tubular Bones with Autotransplantation

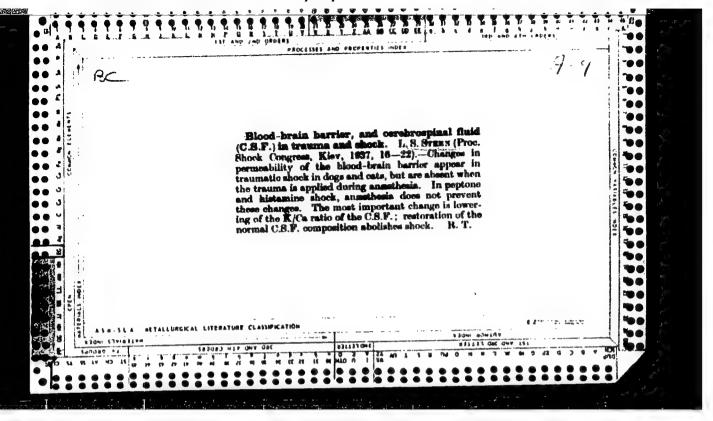
Dissertation for candidate of a Medical Science degree. Saratov ("N.I.I. VOSKHITO",), 1951

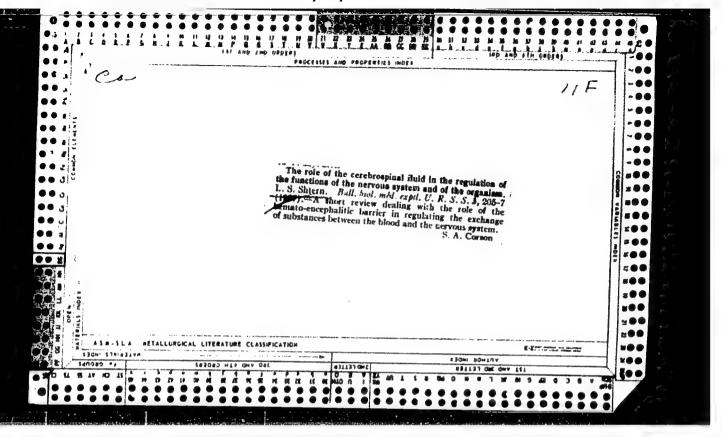


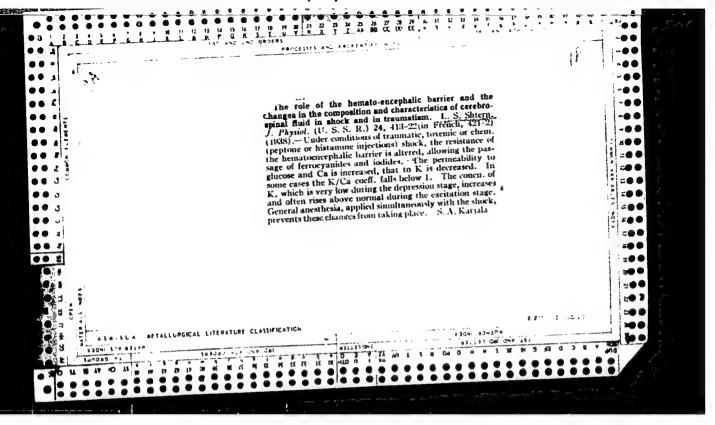


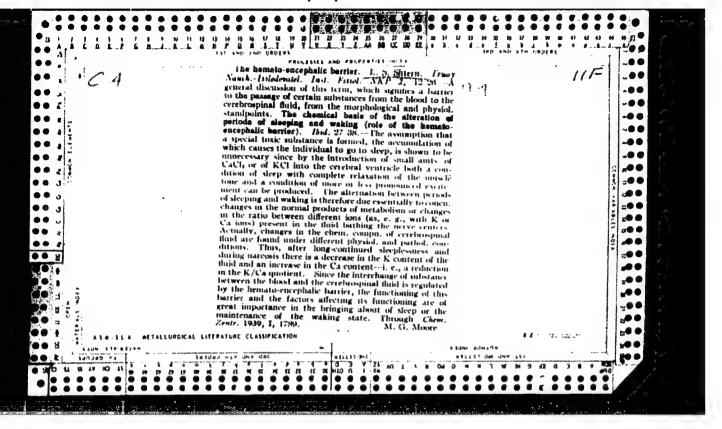


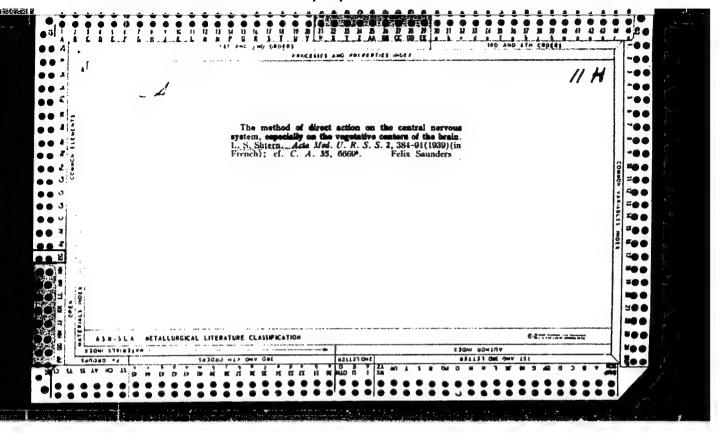


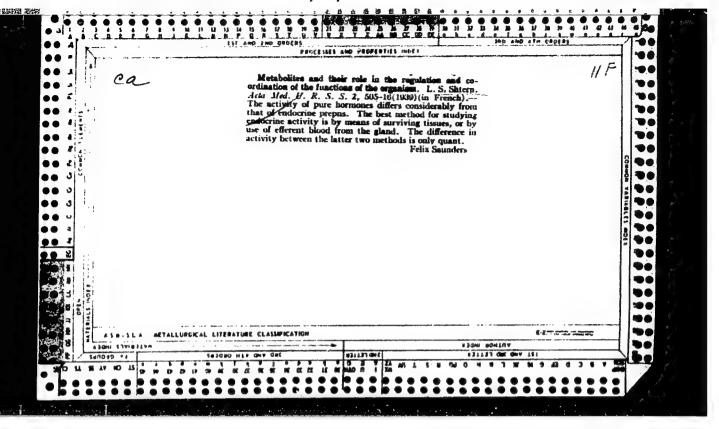


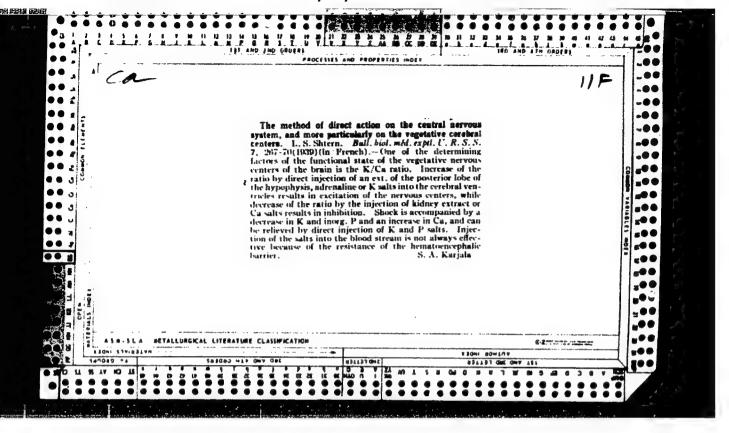


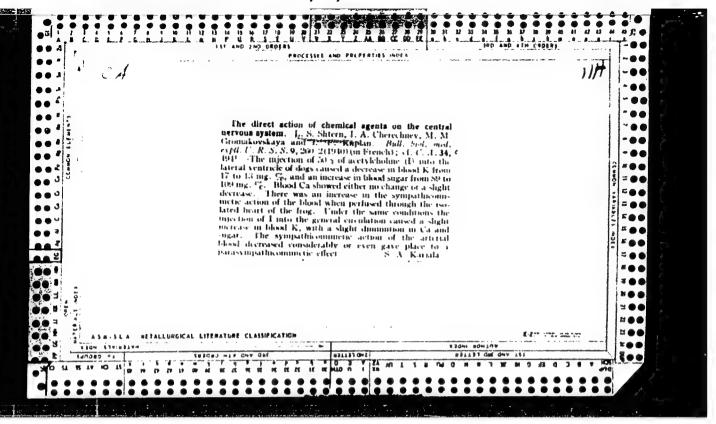


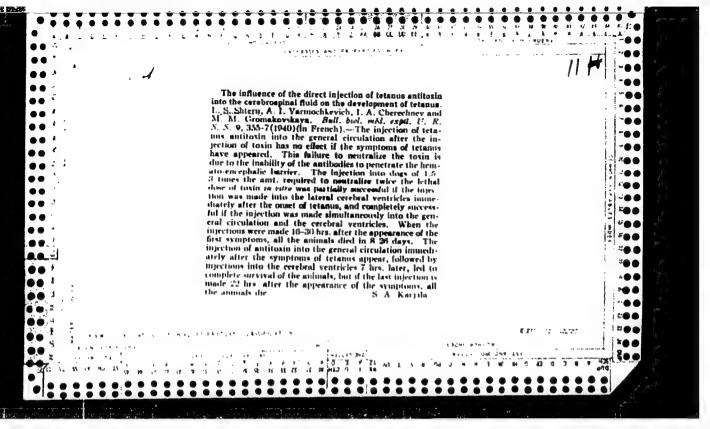


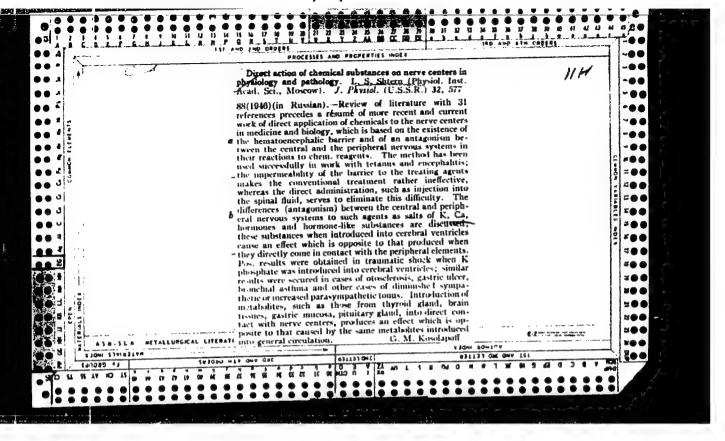












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	USSR/Medicine - Meninges, Tuberculosis May 1947 Medicine - Streptomycin	
	"Preliminary Data on Tuberculous Meningitis Treatment With Streptomycin," L. S. Stern, U.A. Rosin, D. S. Futer, E. V. Prokhorovich, 4 pp	
	"Byul Eksp Biol i Med" Vol XXIII, No 6	
	General discussion of clinical observations. It is concluded that longer periods of observation are necessary.	
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SHTERN, L. S., Acad

PA 10/49T76

USSR/Medicine -- Nervous System, Effect of Drugs on

Medicine -- Shock, Therapy

"Direct Chemical Action on Nerve Centers," Acad L. S. Shtern, 10 pp

"Vest Ak Nauk SSSR" No 7

Author developed direct method of chemical stimulation of nerve centers in course of much research on cerebrospinal treatments. Describes administration of mixture of potassium mono- and diphosphates, ; calcium salts and Vitamin B1, and successful results obtained from this treatment in shock and other cases.

10/49776

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001550020003-5

USSR/Human and Animal Physiology - Effects of Physical Factors. T-13

: Ref Zhur - Biol., No 7, 1957, 32311

Stern, L.S., Rapoport, S.Y., Gromakovakaya, M.M., Zubkova, Abs Jour THERN

Influence of X-Ray Irradiation on the Permeability of Author Inst

Histohematic Barriers. Title

: Biofizika, 1957, 2, No 187-196.

: By introducing p32 and I131 into the blood, the change Orig Pub of the permeability of the hemoencephalic barrier (HEB) Abstract

and of the hemoencephalic barriers of the liver and muscles was studied in rats after exposure (E) to 800 r. The radioactivity of the blood decreased 147% through the 5 minutes after the introduction of P32 into the heart cavity, in the following 10 minutes - 25%, and beginning with 30 minutes after the introduction = 1-26 in the course of each 15 minutes. Isotopes were introduced

Inol Bis, Physics AS USSR

card 1/3

- 165 -

SHTERN, L.S.

Specificity of hydrogen acceptors in the respiratory processes of animal tissues and the catalase system [with summary in English] Biokhimiia 22 no.1/2:421-429 Ja-F *57. (MIRA 10:7)

1. Institut biofiziki Akademii nauk SSSR, Moskva.

(METABOLISM, TISSUE,

specificity of hydrogen-acceptor in resp. & catalase
system (Rus))

(CATALASE,
same)

SHTERN, L.S. (Moskva)

Present status of the problem of a hematoencephalic barrier.

Usp.sovr.biol. 45 no.3:325-348 My-Je *58 (MERA 11:8)

(BLOOD,

blood-CSF passage of substances, review (Rus))

(HEMATO-ENCEPHALIC BARRIER,

review (Rus))

17(1), 21(3) SOV/20-126-3-67/69 Shtern, L. S., Academician, Rapoport, S. Ya., Gronakovskaya,

TITLE: The Importance of the Nervous System for the Change of Permeability of the Histo-hematic Barriers Under the Effect of Irradiation (Rol' nervnoy sistemy v izmenenii pronitsayemosti gisto-gematicheskikh bar'yerov pri obluchenii)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 126, Nr 3, pp 699 - 702 (USSR)

ABSTRACT: In previous papers by the authors (Refs 1,2), it was ascertained that a single total irradiation of animals with a lethal dosis of X-rays leads to early changes as mentioned in the title. A previous introduction of novocaine, atropine or morphine prevents these changes of the barriers mentioned in the title (HHB). The present investigation clarifies the problem of whether the protective effect of the neurotropic substances is maintained in case of their introduction a f t e r the irradiation; further - what effect such an introduction b e f o r e and a f t e r the irradiation has on the duration of life of the animals exposed to rays. The

The Importance of the Nervous System for the Change of SOV/20-126-3-67/69 Permeability of the Histo-hematic Barriers Under the Effect of Irradiation

effect on the HHB-permeability. As table 1 shows, the nervous mechanism play an important part in the rise and further development of permeability variations of the HHB produced by irradiation (in agreement with Refs 3-13). As at a screening of the belly region no HHB-permeability changes due to irradiation take place, tests were carried out to examine whether these changes are caused by disturbances of the organs in the belly due to irradiation. The receivers of the belly were isolated by the introduction of 1.0 ml of anaesthetics (Ref 14) 17-18 hours after the irradiation. From the results (Table 2) it can be seen that the irradiation of the animals after the isolation of the receivers does not bring about an increase in the HHB-permeability. Effect of the introduction of neur otropic substances on the survival of animals exposed to r a y s. These substances were introduced 10-15 min before, or 5 min after, the irradiation (novocaine - 20 mg per animal, atropine - 1 mg, and morphine - 10 mg per animal). Table 3 shows that only the morphine has a distinct influence on the survival of animals exposed to rays. This protective effect is

Card 2/3

The Importance of the Nervous System for the Change of SOV/20-126-3-67/69 Permeability of the Histo-hematic Barriers Under the Effect of Irradiation

attributed to a tissue hypoxy brought about by an inhibition of the breathing conter. Such mechanism presupposes its interference already during the irradiation. This is confirmed by a saving of the animals only if the morphine is introduced before the irradiation. Both the results of the authors and the publication references lead to the conclusion that the protective effect of novocaine is brought about by the isolation of the receiving portion of the reflexes which are produced by irradiation due to a change in the chemism of organs and tissues. There are 3 tables and 22 references, 12 of which are Soviet.

SUBMITTED: March 18, 1959

Card 3/3

SHTERN, L.S.

The role and significance of histohematic barriers in the animal organism. Izv. AN SSSR. Ser. biol. no.3:338-345 My-Je '60. (MIRA 13:7)

1. Institute of Biological Physics, Academy of Sciences of the U.S.S.R., Moscow. (CAPILLARIES—PERMEABILITY)

SHTERN, L.S., akad., otv.red.; RAPOPORT, S.Ya., doktor med.nauk, red.;
ROSIN, Ya.A., doktor med.nauk, zam. otv. red.; UTEVSKAYA, L.B., kand.
biol.nauk, red.; TRINCHER, K.S., red. izd-va; VOLKOVA, V.V., tekhm.red.

RECEIPTE FOR THE RECEIPTE THE PROPERTY OF THE

[Histohematic barriers; transactions of the conference] Gisto-gematicheskie bar'ery; trudy soveshchaniia. Moskva, Izd-vo Akad.nauk SSR, 1961. 406 p. (MIRA 14:12)

1. Konferentsiya po voprosam neposredstvennogo vozdeystviya na nervnyye tsentry. 3d, Moscow, 1960. 2. Laboratoriya fiziologii pri Institute biologicheskoy fiziki AN SSSR (for Utevskaya).

(CAPILIA RIES—PERMEABILITY)

SHTERN, L.S., akademik, otv. red.; RAPOPORT, S.Ya., doktor med. nauk, red.; ROSIN, Ya.A., doktor med. nauk, prof., red.; TRINCHER, K.S., red. izd-va; POLENOVA, T.P., tekhn. red.

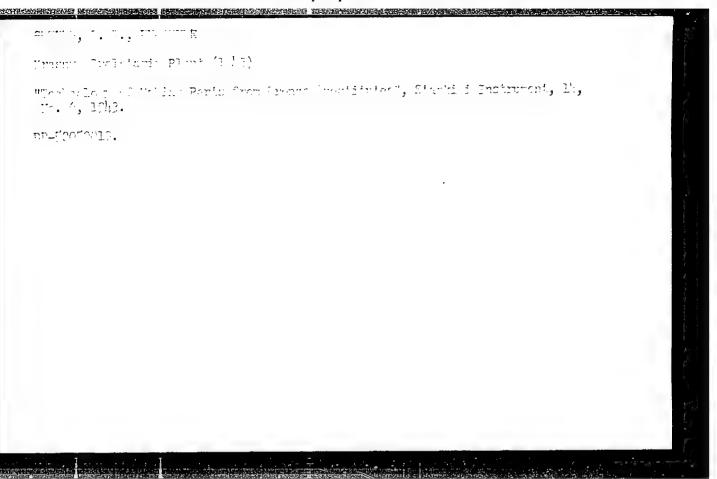
[Histohematic barriers and ionizing radiation] Gistogematicheskie bar'ery i ioniziruiushchaia radiatsiia; sbornik rabot laboratorii fiziologii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 215 p. (MIRA 16:5)

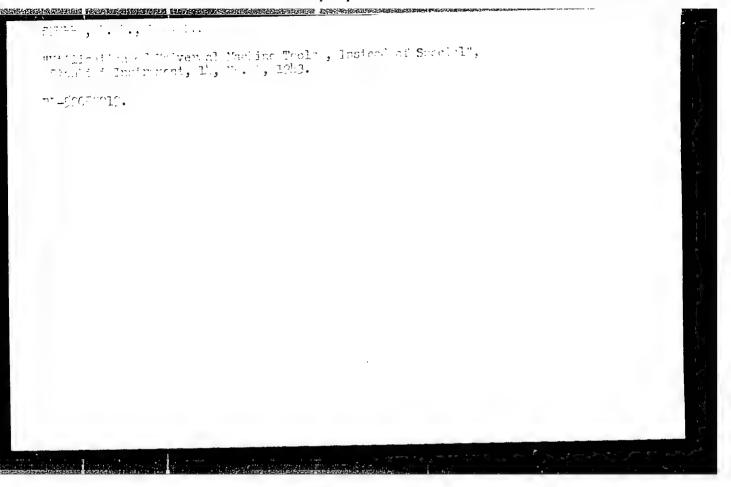
l. Akademiya nauk SSSR. Institut biologicheskoy fiziki.
(Radiation—Physiological effect)
(Histology) (Hematology)

SHTERN, L.S., akademik, otv. red.; RAPOFORT, S.Ya., doktor med. nauk, red.; ROSIN, Ya.A., doktor med. nauk, prof., red.; LANDAU-TYLKINA, S.P., red.

[Problems of histohematic barriers; transactions] Problemy gisto-gematicheskikh bar'erov; trudy. Moskva, Nauka, 1965. 330 p. (MIRA 18:10)

1. Soveshchaniye po probleme gisto-gematicheskikh bar'yerov. 2d, 1963.





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USSR/Miscellaneous - Economy

Card 1/1

• Pub. 103 - 1/29

Authors .

Shtern, L. T.

Title

: Reduction in volume of metal for construction of lathes

Periodical

Stan. i instr. 9, 1-6, Sep 1954

Abstract

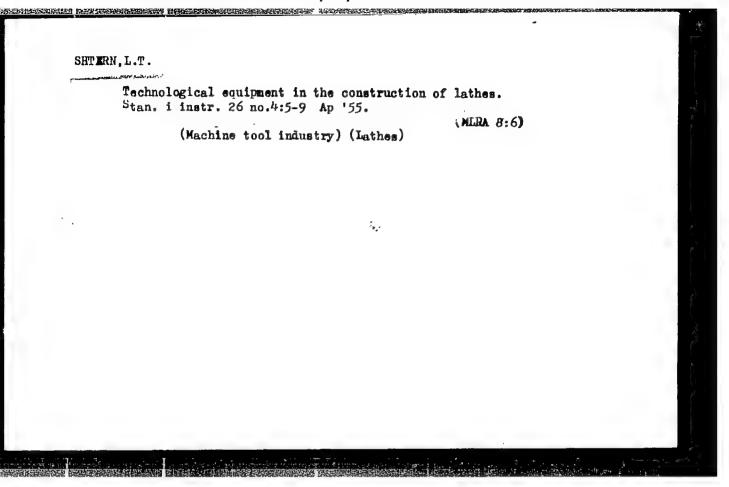
The experiences of various machine construction plants, in their drive to decrease the volume of metal consumed for the manufacture of ordinary lathes, are described. Several suggestion for increasing the service life of machines and machine parts are listed. Tables; drawings; illustrations.

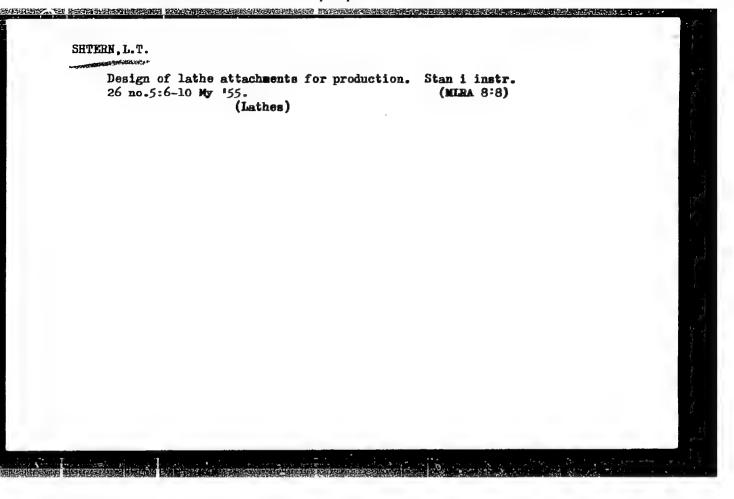
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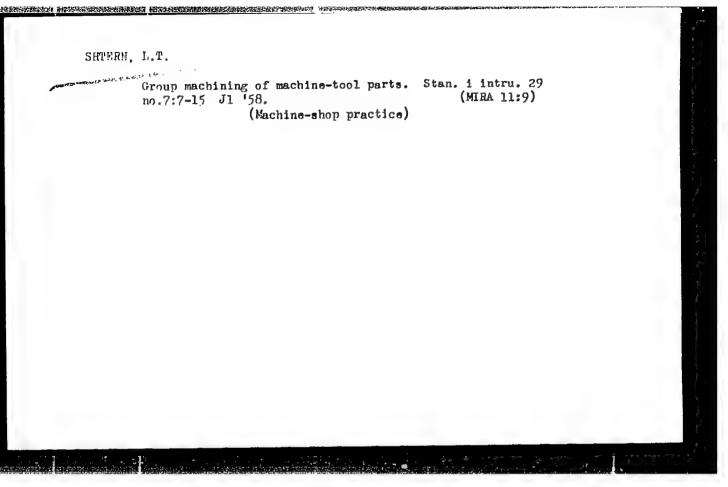
WHILLIAM ...

Increasing Labor Productivity in Machine Building (Voprosy povysheniya proiavoditel'nosti truda v mashinostroenii) Gosudarstvennoye nauch-tekh. izdat. mashinostroitel'. literatury, Moscow, 1957. 511 pp. (Table of Contents authors below)

This collection presents a comparative tech. and economic analysis of most effective methods and industrial processes for obtaining high labor productivity in machine building. Output may be stepped up by further standarization of machine tools, materials, and production methods; drawing on unused potentials. Covers all stages of planning and production as performed in modern plants of USSR, actual experience, and new methods are discussed.

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SHTERN, L. T., "Technical Requirements for Production Lines (experience of the Krasniy Proletariy Plant imeni A. I. Yefremov)," p. 476.



YAKOBSON, Mikhail Osipovich, prof., doktor tekhn.nsuk. Prinimala uchastiye IL'INA, K.A., inzh., AMUFRIYEV, V.A., inzh., retsenzent; SHTERN, L.T., inzh., red.; MODEL', B.I., tekhn.red.

[Technology of machine-tool manufacture] Tekhnologiia stankostroeniia. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 547 p. (MIRA 13:5) (Machine tools--Construction)

VALETOV, V.V.; VESNIK, M.I.; CONCHAROV, I.S.; DMITROV, D.V.; LUNEV, A.A.; MOKIN, M.I.; NESTEROV, S.N.; SMIRNOV, V.P.; ALEKSEYEV, S.A., retsenzent; KARKAZOV, A.G., retsenzent; KONDRATOVICH, V.M., retsenzent; LEVIN, B.M., retsenzent; MALIKOV, A.N., retsenzent; SEGALEVICH, S.M., retsenzent; SHPAGIN, A.I., retsenzent; SHTERN, L.T., retsenzent; YAKOBI, A.A., retsenzent; TIKHANOV, A.Ya., tekhn. red.; CHERNOVA, Z.I., tekhn. red.

[Establishing norms for the consumption of materials in machinery manufacture; manual] Normirovanie raskhoda materialov v mashinostroenii; spravochnik. Pod red. V.V.Valetova. Moskva, Gos. nauchnotekhn. izd-vo mashinostroit. lit-ry. Vol.1. 1961. 583 p. (MIRA 15:2)

(Machinery industry)

SHTERN, L.T.

ranjan i jarah direkta, katan ranjarah bilan ing panjarah

Using plastic materials in manufacturing the 1K62 lathe. Stan.i instr. 32 no.10:23-27 0 61. (MIRA 14:9) (Plastics) (Lathes)

SHTERN, Lazar' Tevel'yevich; GOLITSYN, Ya.K., ved. red.; APIRIN, B.S., inzh., red.; PONOMAREV, V.A., tekhn.red.

[Group manufacture of parts on high-production machines] Gruppovaia obrabotka detalei na vysokoproizvoditel'nykh stankakh. Moskva, Filial Vses.in-ta nauchn. i tekhn. informatsii, 1958. ll p. (Peredovoi nauchno-tekhnicheskii i proizvoditel'nyi opyt. Tema 10. No.M-58-273/40) (MIRA 16:3)

(Metalworking machinery)

SHTERN, L.T.

Use of thin-walled stamped and welded parts in the 1162 lathe. Stan.i instr. 34 no.3:15-18 Mr *63. (MIRA 16:5) (Lathes)

SHTERN, Leybshi Yankeleyich; BEYZEROV, Semen Moiseyevich; PLAVNIK,
Valentin Gilyar'yevich; INDENBAUM, V.S., red.; GOLYATKINA,
A.G., red. izd-va; VAYNSHTEYN, Ye.B., tekhn. red.

[Regulation and automation of air-blower and compresser plants]
Regulirovanie i avtomatizatsiia vozdukhoduvnykh i kompressornykh stantsii. Pod obshchei red. L.IA.Shterna. Moskva, Metallurgizdat, 1963. 378 p. (MIRA 16:8)
(Compressors) (Blowers) (Automatic control)

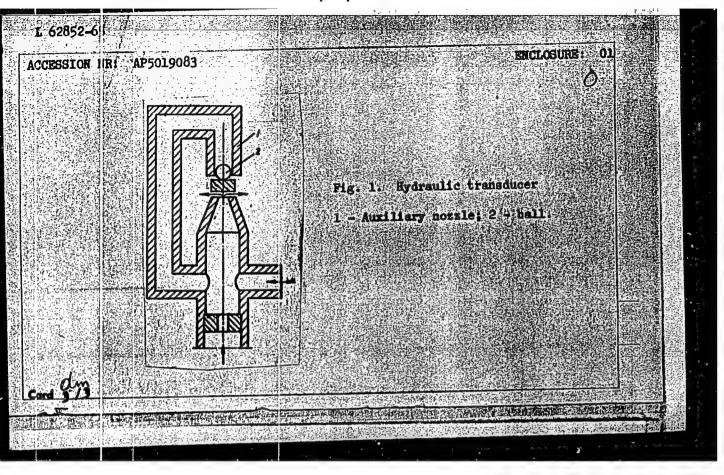
SHTERN, L.Ya., inzh.; BEYZEROV, S.M., inzh.

Improvement of the control systems of the turbocompressors of cupola furnaces. Prom. energ. 19 nc.3:26-32 Mr '64. (MIRA 17:4)

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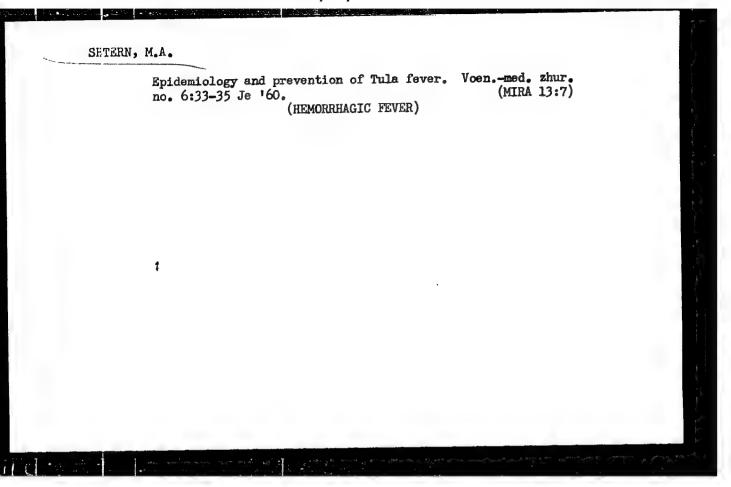


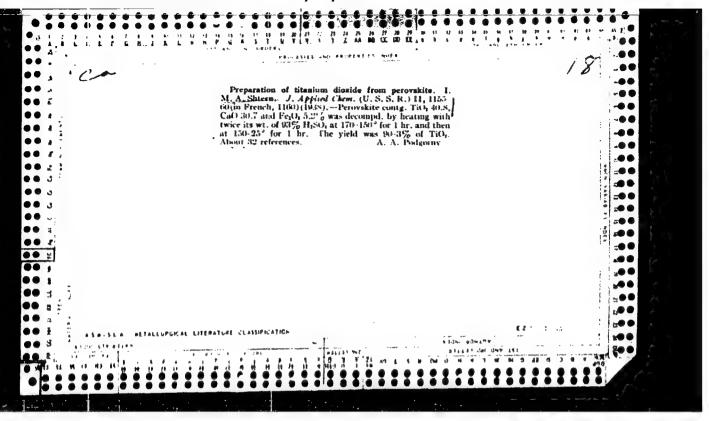
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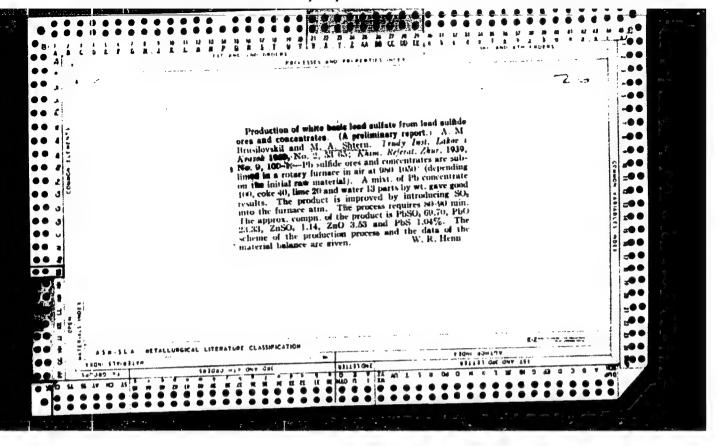
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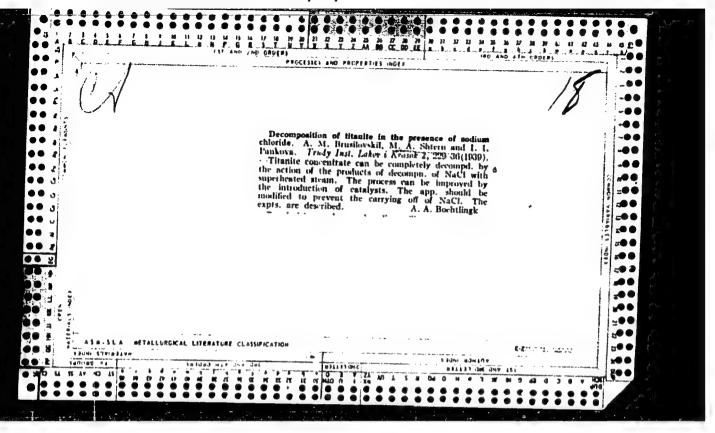
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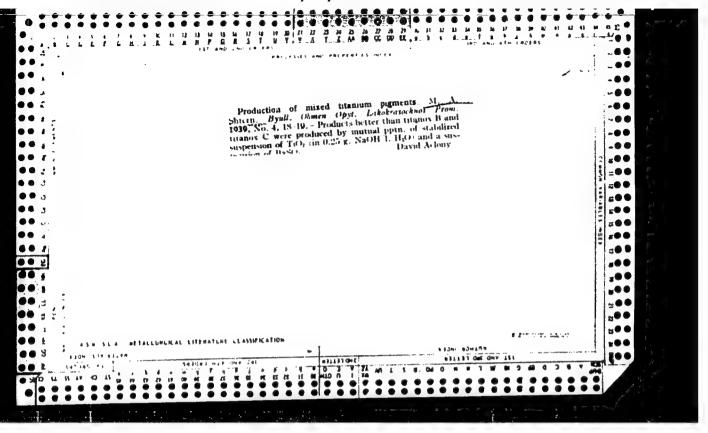
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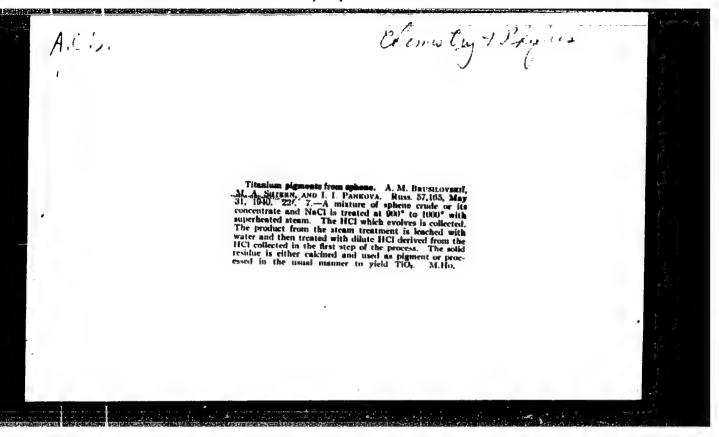












15-57-10-14361

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 10,

pp 163-164 (USSR)

AUTHOR:

Shtern, M. A.

TITLE:

Possible Methods of Reprocessing Glauberitic Rocks From Deposits in Tyan'-Shan' (Vozmozhnyye sposoby pererabotki

glauberitovoy porody mestorozhdeniy Tyan'-Shanya)

PERIODICAL:

Tr. Vses. n.-i. in-ta galurgii, 1956, Nr 31, pp 99-106

ABSTRACT:

The glauberitic rock of Tyan'-Shan' contains, in addition to glauberite (Na₂SO₄·CaSO₄), many halite and clay materials. This rock may be reprocessed to Na₂SO₄, Na₂S, H₂SO₄, HCl, and cement. For leaching the sodium sulfate by water, the author suggests a five-stage counterflow method, which produces 16 to 20 percent solutions of Na₂SO₄ and an extraction of 93 to 95 percent of the Na₂SO₄ from the rock. The yield of mirabilite on cooling such solutions down to 00 amounts to 300 to 450 kg/m³. The author demonstrated experi-

Card 1/2

mentally the process of obtaining SO2 (hence HoSO4) and

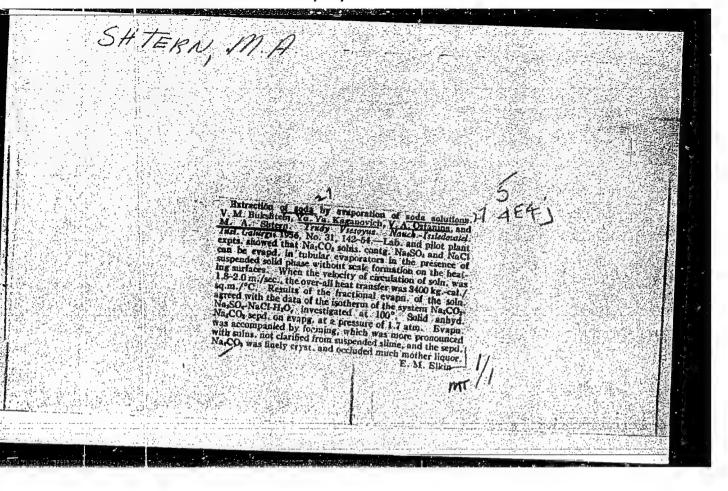
Possible Methods of Reprocessing Glauberitic Rocks (Cont.)

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cement clinker from the residue left after leaching the glauberitic rock with water. He found that by roasting (at about 900°) glauberitic rock containing halite in the presence of steam, it is possible to convert approximately 70 percent of the gypsum and halite into sodium sulfate, and thus to enrich the rock almost 200 percent.

Card 2/2

V.P. Yeremeyev



15.7300 5 (2), 15 (7)

Shtern, M. A., Sukhanova, M. V.

\$/064/59/000/07/009/035

AUTHORS:

B005/B123

TITLE:

On the Production of Molybdate-chrome Red

PERIODICAL:

Khimicheskaya promyshlennost', 1959, Nr 7, pp 584 - 586 (USSR)

ABSTRACT:

Molybdate-chrome red consisting of lead chromate, -molybdate, and -sulfate, is one of the most important inorganic red pigments. The authors investigated the dependence of the chrome red color on the velocity of precipitation. At the same time the influence of the order of sodium sulfate additions to the lead chromate solution was investigated. It was found that by adding the total amount of sodium sulfate at the beginning of precipitation, the precipitation of the undesired yellow monoclinic form of lead chromate can be prevented. Precipitations were obtained at 20° in a medium of pH 2. The concentration of the solutions was 0.1 m. While mixing it intensively, a mixture of the solutions of sodium bichromate, ammonium molybdate, sodium sulfate, and soda was added to the lead nitrate solution with varying velocity. In all experiments a pigment' with constant composition 7 PbCrO, PbMoO, PbSO, was obtained. By

Card 1/3

On the Production of Molybdate-chrome Red

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adding soda a constant pH-value of the medium is achieved during precipitation. Table 1 shows the color changes of chrome red in dependence of the velocity of precipitation. Covering power and color intensity of obtained pigments are specified as well. It became evident that if the precipitation is retarded from 2-3 minutes to 25-30 minutes the chrome red color tone becomes deeper. During a further retardation the color tone of the pigment changes from light red to brown-orange. Investigations in the electron microscope (Figs 1-3) showed that the color change is caused by a recrystallization of the pigment grains to rod-like crystals during slow precipitation. Chrome red produced at an optimum precipitation rate is pure light red. When grinding it with a spatula, the pigment, however, shows yellow inclusions that prove the inhomogeneity of pigment grains in the mass. The authors investigated the influsnoe of the reaction conditions on the color and the homogeneity of the chrome red coloring (Table 2). It appeared that if the majority of the mixture to be used for precipitation is added quickly to the lead nitrate solution, homogeneous particles are formed in the pigment mass. A sufficiently homogeneous pigment

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On the Production of Molybdate-chrone Red

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that is still red (not yet orange) is obtained by quickly adding a maximum of half the precipitant. Table 3 shows the influence of the pH-value of the medium at the end of the precipitation on the pigment color. The optimum pH-value lies between 1.8-2.2. With higher or lower pH orange-red pigments are formed. The authors found that additions of 1-2% aluminum oxide or silicic acid stabilize the pigment adequately so that during long storage in the parent solution and drying no color changes occur. Sodium silicate gives the pigment a more saturated color. As a technical conditions for the production of molybdate-chrome red. The method described has already been tested and introduced into the industry. There are 3 figures, 3 tables, and 5 references.

ASSOCIATION:

Leningradskiy filial GIPI (Leningrad Branch of the State Design and Planning Scientific Research Institute of Varnish and Paint

Card 3/3

SHTERN, M.A.; GORELIK, G.N.

Continuous method for the production of lead chromates. Lakokras. mat. i ikh prim. no.2:50-55 *60. (MIRA 14:4)

l. Leningradskiy filial Gosudarstvennogo nauchno-issledovatel'skogo i proyektnogo instituta No.4.

(Lead chromate)

SHTERN, M.A.; GORELIK, G.N.

Purification of waste waters from the production of zinc and lead chromates by the post-precipitation method. Report 1. Iskokras. mat. i ikh prim. no. 6:34-38 '60. (MIRA 13:12) (Sewage--Purification) (Lead chromate) (Zinc chromate)

SHTERN, M.A.; ZAVARINA, L.P.

Rapid method for determining the water soluble salt content of pigments. Lakokras.mat.i ikh prim. no.1:61-62 '62. (MIRA 15:4)

1. Leningradskiy filial Gosudarstvennogo nauchno-issledovatel'skogo i proyektnogo instituta lakokrasochnoy promyshlennosti.

(Pigments) (Salts)

ACCESSION NR: AP4018042

S/0303/64/000/001/0032/0034

AUTHORS: Shtern, M. A.; Danyushevskaya, N. Ye.,; Alekseyeva, O. V.

TITLE: Synthesis of the anticorrosion pigment chromium phosphate

SOURCE: Lakokrasochny*ye materialy* i ikh primeneniye, no. 1, 1964, 32-34

TOPIC TAGS: pigment, anticorrosion pigment, chromium phosphate, zinc chromate, phosphoric acid, reduction, polyvinylbutyral, priming, coverage, coating, sodium sulfite

ABSTRACT: The optimal conditions for the synthesis of chromium phosphate were determined and its physicochemical and technical properties investigated. It was found desirable to obtain chromium phosphate by reduction of sodium dichromate using sodium sulfite in the presence of phosphoric acid. The optimal conditions using sodium sulfite in the presence of phosphoric acid. The optimal conditions for the synthesis of chromium phosphate were a 1:15-1:20 ratio of solids to liquid, a pH of 2.5-3.0, a temperature of 35C, 1-2 hours boiling after completion of reduction, washing to leave not over 0.5% of water soluble salts, and drying at either 40-50C to obtain CrPO₄·5H₂O, or at 105C to obtain CrPO₄·3.5H₂O. The obtained compound was light green to green in color, had a specific surface of 15 m²/gm and

Card 1/2

ACCESSION NR: AP4018042

a coverage capacity of 100-120 gm/m². The air-dried pigment contained 20.2% chromium, 37.0% PO_A, and 42.3% water. The protective effectiveness of the pigment was tested in a priming compound containing 10% polyvinylbutyral, 10% chromium phosphate, 1.6% talcum, and 78.4% of diluent, consisting of 18% phosphoric acid (39%), 80% ethanol, and 1.9% water. Ten per cent of this diluent were added to the priming composition, and the compound applied in one coat, 15 micrograms thick, onto the surface of steel, which had been previously etched and degreased. The final operation consisted of the application of a 35-40 microgram coat of GF-020 priming. Orig. art. has: 4 charts and 1 table.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 18Mar64

ENCL: 00

SUB CODE: CH

NO REF SOV: 000

OTHER: 006

Card 2/2

ALEKSANDROV, N.I.; GEFEN, N.Ye.; GAPOCHKO, K.G.; GARIN, N.S.; GORDON, G.Ya. KOZHUSHKO, M.I.; KORENEV, G.P.; LAZAREVA, Ye.S.; LEYKEKHMAN, Ye.P.; MASLOV, A.I.; PAVLOV, G.A.; POLIVANOV, N.D.; ROMANOV, P.S.; RYBAKOV, P.S.; RYBAKOV, M.G.; SAMOKHVALOV, M.F.; SMIRNOV, M.S.; SHTERN, M.A.; CHEPKOV, V.N.

Experience with mass aerosol immunization with tularemia dust vaccine. Zhur. mikrobiol., epid. i imm. 41 no. 2:36-43 F '64. (MIRA 17:9)

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ACC NR	AP6019447	(A) so	OURCE CODE:	UR/0303/66/00	0/003/0013/0018
AUTHOR:	Shtern, M. A.; I	anyushevskaya, N.	Ye.; Vasse	rman, P. I.;	hebotarevskiy, V. V.
ORG: no	one Application of ca	21 21	an anticor	rosion heat-re	sistant pigment
	Lakokrasochnyye				
TOPIC T	AGS: calcium chro	omate, chromic and	nydride, chr ComPouN	romate, pigment	, anticorrosive
reactio	T: A method has an of hydrated calcium chromate as a higher heat shed that the use ies. Orig. art. h	cium oxide with chi is a pigment which resistance to map of calcium chroma	nromic anhyd ch imparts a gnesium allo ate in soils	higher passivoys and steel. improves the	rating capacity It has been
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MART'YANOV, Yu.A.; REVAZASHVILI, B.I.; SHTERH, M.D.

Wet grinding of iron scrap at the Karsakpai Ore Dressing Flant of the Dzhezkazgan Mining and Metallurgical Combine. TSvet. met. 33 no.11:11-17 H '60.

1.Kazmekhanobr.

(Karsakpai--Ore dressing) (Scrap metals)

SHTERN, M.I. (Moskovskaya obl., g.Khimki, ul.Kalinina, d.13,kv.14)

Defense of the London International Nomenclature of the Bronchi and Segments. Vest. rent. i rad. 35 no. 4:51-53 Jl-Ag 160.

(MIRA 14:2)

1. Iz Moskovskoy gorodskoy klinicheskoy tuberkuleznoy bol'nitsy No.3 "Zakhar'ino" (glavnyy vrach V.P. Petrik). (BRONCHI—RADIOGRAPHY)

SHTERN, M. I.; MIRINOV, G.B.; ZUGMAN, Ya.N.

Diagnosis of acquired pulmonary air cysts. Probl. tub. 42 no.12:61-62 164. (MIRA 18:8)

1. Moskovskaya gorodskaya klinicheskaya protivotuberkuleznaya bolinitsa Nr. 3 "Zakharino" (glavnyy vrach V.P.Petrik).

SHTERN, M.I. (Moskovskaya obl.,g.Khimki,ul.Kalinina,d.13,kv.14)

Structure of the bronchial tree; schematic outline. Grud. khir. 2 no.3:79-82 My-Je '60. (MIRA 15:3)

1. Iz Moskovskoy gorodskoy klinicheskoy tuberkuleznoy bol'nitsy No.3 "Zakhar'ino" (glavnyy vrach V.P. Petrik). (ERONCHI)

GO MESHIEVN, V.D.; SHTERN, M.I.

Bronchoglandular perforations in adolescents and adults with tuberculosis. Akt. vop. tub. no.2:92-114 163.

(MIRA 17:9)

- 1. SHTERN, M. R. PHARMACIST
- 2. USSR (600)
- 4. Pharmacology
- 7. "Textbook on pharmacology and prescription writing for feldsher and midwife schools."
 V. N. Kovalenko. Reviewed by Pharmacist M. R. Shtern. Feld'd. i akush. no. 12, 1952.

9. Monthly List of Russian Accessions. Library of Congress. March 1958. Unclassified.

SHTERN, M.S..

Vitant, M6 and its importance. Vrach.delo nc.6:593-596 Je '58
(MIRA 11:7)

1. Near'lowskiy oblastnoy kozhno-venerologicheskiy dispanser.
(PYRIDEXIDE)

VOLITOVA, N.I., KATALKHERMAN, A.L., kand.farmatsevticheskikh nauk, SHTERN, M.R., provizor.

"Technology of drug forms" by P.E. Rozentsveig. Apt.delo 7 no.3:87-92 My-Je '58 (PHARMACY)

(PHARMACY)

SHIRM. N.R. provizor (Khar'kov)

Vitamin B6 and its importance. Fel'd. i akush. 23 no.7155-56 Jl'58 (MIRA 11:8)

(PYRIDOXINE)

SHTERN, M.R., provizor (Khar'kov)

Imanin, a new vegetable preparation. Fel'd. i akush. 24 no.9:60
S '59. (MIRA 12:12)

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Vitamin B6 and its significance in skin diseases; review of the literature. Vest. derm. i ven. 33 no.2:42-47 Mr-Ap '59. (MIRA 12:7)

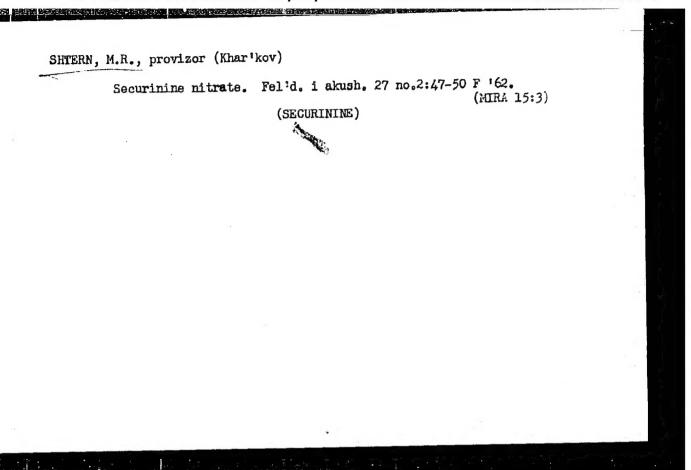
1. Iz Khar'kovokogo oblastnogo kozhno-venerologicheskogo dispansera (glavnyy vrach M.I. Lisin).

(VITAMIN B6, THER. US2,
skin dis., review (has))

(SKIN DISEASS, ther.
vitamin B6, review (has))
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SHTERN, M.R., provizor (Khar'kov)

Erythromycin. Fel'd. i akush. 27 no.1:55-56 Ja '62. (MIRA 15:3)
(ERYTHROMYCIN)



SHTERN, N.A., inzh.

Mineral fertilizers, iron pyrites, and apatite concentrate. Trudy
TSNIIEVT no.13:179-199 '58. (MIRA 11:12)

(Mineral aggregates--Transportation)

SHTERN, O.I., inzh.

Determining the resistance of concrete to tension by the cracking method. Transp. stroi. 14 no.1:48-49 Ja '64.

(MIRA 17:8)